

CLAIMS

What is claimed is:

1. A computer-aided database system comprising:
 - an application layer in which, independently of one another, applications for registering data objects of various data object types into a database associated with a respective application can be executed; the respective addressed application in the application layer, in response to a registration operation, producing information about the data object which is to be registered and about the registration in the form of a reference of prescribed structure;
 - a record layer which is encapsulated with respect to the application layer and in which a number of record writers each having a dynamic interface is implemented;
 - a table in which a data object type has a respective associated record writer; the record writer associated by means of the table being designed to access the reference and hence the information via the interface; and
 - a record registrar for permanently storing record object data, transferred by a record writer and comprising information about the data object which is to be registered and about the registration.
2. The database system as claimed in claim 1, wherein the record writers have the same interface.

3. The database system as claimed in claim 1, wherein the record registrar is designed to produce and store a change record comprising at least some of the record object data.
4. The database system as claimed in claim 1, further comprising a customizing table upstream of the table, in which customizing table it is possible to activate record writing for various data object types.
5. The database system as claimed in claim 4, wherein the customizing table contains differentiation parameters.
6. The database system as claimed in claim 1, further comprising a management module in the application layer for creating, changing or erasing a table entry.
7. The database system as claimed in claim 1, wherein the record writer is implemented in the form of an ABAP class with methods and an interface.
8. The database system as claimed in claim 1, further comprising various record writers derived from a standard record writer for a standard data object type which inherit at least one of said standard record writer's methods and/or its interface.
9. The database system as claimed in claim 1, wherein the record writers can be created or changed during operation of the database system.

10. The database system as claimed in claim 1, wherein the information comprises the data object before registration, the data object after registration, the registration time and the identifier of the initiating user or process.

11. A method for operating a computer-aided database system having an application layer in which, independently of one another, applications which register data objects of various data object types into a database associated with the respective application can be executed, wherein:

the respectively addressed application in the application layer, in response to a registration operation, produces information about the data object which is to be registered and about the registration in the form of a reference of prescribed structure and

calls up a record writer from a number of record writers which is associated with the data object type by means of a table using a dynamic interface, the record writers implemented in a record layer encapsulated with respect to the application layer;

the record writer accesses the reference via the interface and hence the information and

transfers record object data having information about the data object which is to be registered and about the registration to a record registrar for permanent storage.

12. The method as claimed in claim 11, wherein the record writers use the same interface.

13. The method as claimed in claim 11, wherein the record registrar produces a change record from at least some of the record object data and stores said change record.
14. The method as claimed in claim 11, wherein evaluation of the table is preceded by evaluation of a customizing table in which it is possible to activate record writing for various data object types.
15. The method as claimed in claim 14, wherein the customizing table contains differentiation parameters.
16. The method as claimed in claim 11, wherein a table entry is created, changed or erased by a management module in the application layer.
17. The method as claimed in claim 11, wherein the record writer is implemented in the form of an ABAP class with methods and an interface.
18. The method as claimed in claim 11, wherein various record writers are used which are derived from a standard record writer for a standard data object type and inherit at least one of said standard record writer's methods and/or its interface.
19. The method as claimed in claim 11, wherein a record writer is created or changed during operation of the database system.

20. The method as claimed in claim 11, wherein the information used is the data object before registration, the data object after registration, the registration time and the identifier of the initiating user or process.